

# FOLIO

UNIVERSITY OF ALBERTA  
30 SEPTEMBER 1994



## INSIDE

- Doris Badir: honorary degree awaits (p 3)
- Electronic revolution: Librarians must use their heads more than ever (p 4)
- Annual Fund: people tell why they give (p 5)

## Ady reassures Senate on issue of differential fees

*McDonald confident University's concerns have been listened to*

By Michael Robb

Minister of Advanced Education and Career Development Jack Ady says he's heard a lot of opposition to the idea of charging international students full cost recovery fees.

At the Senate meeting last Friday, the Minister was careful not to say the idea – first proposed in the draft white paper last year – was dead, but left little doubt a compromise was in the offing. The white paper, which will serve as the basis for advanced education policy in the province, is expected to be released in late October. The Minister said foreign student fees will be addressed in the document.

Senator Brian Heidecker reiterated what many on and off campus have been saying for more than a year: Don't charge full cost recovery fees for international students. Such a policy, said Heidecker, would fly in the face of other positive and proactive provincial government initiatives to enhance international trade and connections.

"We've received a ground swell of opposition to the proposal," Ady responded. Many people in the general public don't understand that foreign students constitute only about four percent of the student population at Alberta universities. Many people see the student population and mistakenly conclude that the foreign student

population is much higher than it actually is, said Ady, who was invited to give a brief presentation to the Senate and respond to questions.

Acting President John McDonald told Senators that the University had reason to believe that the government has listened to University concerns on the issue. "I think it's good the Minister has heard loud and clear on this issue. I believe we've been listened to, and we hope for better policy."

In touching on the role of research within universities, Ady urged Senators to get out and explain the importance of research in a teaching environment to Albertans. "Research is misunderstood by the public."



Jack Ady, Minister of Advanced Education and Career Development

## Faculty of Science to offer host of new programs

*Aimed at meeting employers' needs and bolstering graduates' job prospects*

By Michael Robb

Faculty of Science proposals to establish two new internship programs and several new degree programs received overwhelming support at a recent General Faculties Council meeting.

In what was the parliamentary equivalent of an omnibus bill, the Faculty put forward a host of new programs that are designed to meet employers' needs and bolster Faculty of Science graduates' job prospects.

"We wanted to provide these new programs to better equip students for getting jobs in the marketplace," said Dean of Science Dick Peter. "We also know that some students are very interested in combining science with some business courses."

The new programs include: two industrial internship programs, one in chemistry and another in environmental physical science; BSc with Specialization in Computing Science – Minor in Business; BSc (General) – Minor in Business; BSc with Specialization in Mathematics and Finance; BSc with Specialization in Mathematics and Statistics for Actuarial Science; BSc with Honors in Cell Biology and BSc with Specialization in Cell Biology; BSc with Honors in Neuroscience; and BSc with Specialization in Environmental Physical Science.

"We have been reviewing all of our existing programs in the Faculty and determining what new programs we should develop," the Dean said. "Most of our pro-

grams are vertically organized within departments. We looked at programs we could develop that are outside traditional departmental and Faculty boundaries."

Three of the new programs have been jointly developed with the Faculty of Business and two with the Faculty of Medicine. Faculty of Science Visiting Committee members have on occasion suggested science students would be well served by taking some business courses. That sentiment has also been expressed by people in industry, says the Dean.

"Industry is not often keen on hiring people who are highly specialized."

The BSc with Specialization in Mathematics and Statistics for Actuarial Science is also designed to fill a workplace niche. A number of the Faculty's mathematics and statistics students have been writing Society of Actuaries exams. Those students then go on to work for pension funds, insurance companies and investment houses. This degree is intended to increase the visibility of the science and help attract good students.

"Some investment houses have found that by hiring physics and math students, they can get much higher predictability – and that means a lot of money," Dean Peter points out.

The two new programs offered by Science with the assistance of the Faculty of Medicine will help bring some of the very strong people in Medicine into Science's

teaching programs, Dean Peter says. "We certainly have major research strengths in neuroscience and cell biology on campus, and these programs help develop a partnership with people who are strong in these areas in both Faculties. The programs also fit where the disciplines are now. These really are interdepartmental programs."

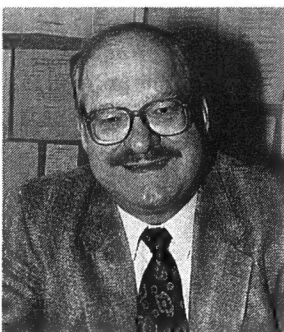
The neuroscience program "will afford at least a select number of undergraduates a wonderful opportunity to pursue serious study and research in neuroscience," says Gene Lechelt, Department of Psychology Chair. The program will also be an excellent

basis for students who want to pursue graduate work, says Dean Peter.

Within the Faculty, however, there is a growing realization that its undergraduate programs have to be more than preparatory work for graduate studies.

The programs will be implemented with no new resources, but departments are being encouraged to review unpopular programs with low enrollments. Virtually all science departments are undergoing program revisions. "I think it's a reflection that some traditional programs are in many

Continued on page 4



Dick Peter, Dean of the Faculty of Science

## Saturday promises to be Super

*Program is all about 'Connecting to U'*

By Folio staff

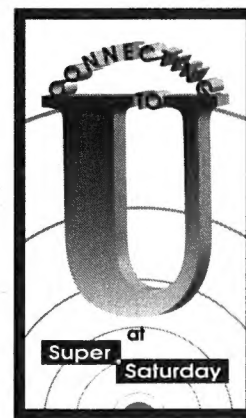
This year's sixth annual Super Saturday, 1 October, is brimming with activity. A special feature – 'behind the scenes' – will give visitors a chance to look at four of the University's teaching and research collections. Tours of "The World of Clothing and Textiles", "Birds of a Feather", "Discovering Archaeology and Physical Anthropology" and "Artifacts from Antique Lands" will be available. Meet under the 'Guided Visits' sign in the Business Building Atrium.

Visiting an open house is another component of the Super Saturday program. Take this opportunity to drop in on a Faculty and participate in tours and

demonstrations. There are 11 open houses on campus. They are located in Arts, Education, Engineering, Health Services Administration, Human Ecology, Law Centre, Library and Information Studies, Pharmacy, Rehabilitation

Medicine, Science, and St Joseph's College. The FAB Gallery will also be open.

People from nine Faculties will talk on 28 subjects ranging from "Diamonds in Alberta" to the "1994 South African Elections". Talks will take place at 10, 11:15, 12:30, 1:45 and 3. Each talk is 50 minutes in length and will be followed by a question and answer session. Check a Super Saturday brochure for complete details.





# Ready for new challenges

## Libraries, Archives and Museums Studies holds first graduation

By Anne Hayward

A unique approach to program development created a special opportunity for 16 aboriginal students at the University of Alberta over the past year. The new Libraries, Archives and Museums Studies (LAMS) Program is the result of an innovative partnership between the Metis Nation of Alberta and the University of Alberta which included an extended collaboration with cultural institutions and organizations throughout the province.

LAMS is a one-year certificate program, the only one of its kind in Canada. Specially tailored for aboriginal students, it offers a well-rounded study of information management in cultural institutions. Classroom instruction and work experience are combined in the areas of library, archival and museum practice.

LAMS graduates are able to qualify for positions in traditional libraries, archives

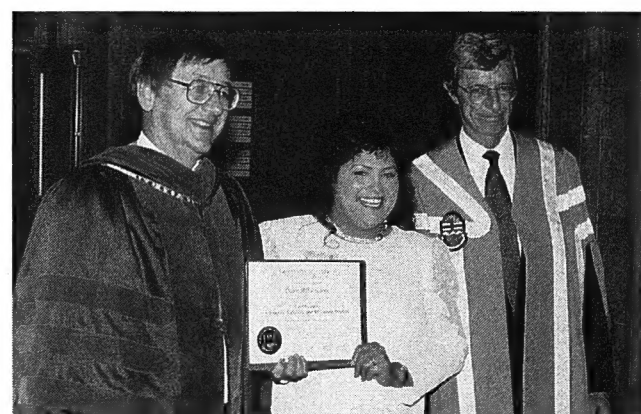
and museums. They are also prepared for innovative work with community cultural resources in such areas as setting up reference centres, assessing collection needs, developing outreach programs, completing research contracts and fundraising for cultural projects.

Libraries, archives and museums throughout Edmonton and Alberta acted as hosts for the internship components of the program. The University of Alberta hosted internships in all three areas with student placements in several libraries, including Rutherford, John W Scott Health Sciences, and Cameron, as well as in the School of Native Studies, University Archives, and Museums and Collections Services.

The program was coordinated through the Faculty of Extension, and the curriculum was developed jointly by University Libraries, University Archives, and Muse-

ums and Collections Services. An advisory committee comprised of representatives from the provincial government, professional associations, the University's School of Native Studies, and Native Student Services reviewed the program at critical stages of its development.

LAMS offered the first opportunity for University Libraries, University Archives, and Museums and Collections Services to collaborate on a project of such professional significance. Building on the LAMS initiative, the University is pursuing new collaborations between its libraries, archives and collections, and the University Press.



LAMS graduate Dawn Sawan poses with Chancellor Lou Hyndman, right, and Dennis Foth, Dean of the Faculty of Extension. The graduation ceremony took place in Convocation Hall, 15 September.

Graduating from LAMS were: Susan Chong, Deborah Coulter, Marjorie Dratwa, Diane Dumont, Karyn Gagnon, Tom Hunter, Jason Malbeuf, Patricia Martin, Tina Martin, Janice McGillivray, Lynn Morin, Dan Ostroski, Audrey Poitras, Dawn Sawan, Troy Unger and Theresa Wallace.

## Two U of A professors in running for science leadership award

### ASTech awards night is 21 October

By Michael Robb

Two University of Alberta professors are in the running for this year's Alberta Science and Technology Leadership Award for Outstanding Leadership in Alberta Science.

Plant Science Professor Chuji Hiruki and Biochemistry Professor Grant McFadden, along with University of Calgary Biochemistry Professor Jerry Wang,

are nominated for the award, which will be announced 21 October in Edmonton.

Chemical Engineering Professor Emeritus Donald Robinson will be awarded the Outstanding Leadership in Alberta Technology Award.

And the University of Alberta's Women in Scholarship, Engineering, Science and Technology program (WISEST) is one of

five finalists in the ASTech Science and Technology Public Awareness Prize award category.

The ASTech Foundation, sponsor of the awards, is a nonprofit society established in 1989 to promote and recognize the province's successes in science and technology.

## FOLIO

Volume 32 Number 6

OFFICE OF PUBLIC AFFAIRS,  
400 ATHABASCA HALL  
UNIVERSITY OF ALBERTA, EDMONTON,  
ALBERTA T6G 2E8  
TEL: (403) 492-2325 FAX: 492-2997  
PROFS - ZZOPA

All enquiries and correspondence should be directed to:  
RON THOMAS: EDITOR  
MICHAEL ROBB: ASSISTANT EDITOR

### CONTRIBUTORS:

Judy Goldsand  
Dinah Gray  
Sandra Halme  
Anne Hayward  
Sheryl Magyar  
Shelley Spaner

Graphic Design: Randy Troppmann

Public Affairs produces *Folio* on a regular basis for employees and volunteers at the University of Alberta.

*Folio's* mandate is to serve as a credible news source for internal audiences by communicating accurate and timely information about issues, programs, people and events.

### DEADLINES:

Notice of coming events: 9 am three weeks in advance of event. Classified advertisements: 3 pm one week before desired publication date. This date also serves as the deadline for cancellation of advertisements.

Advertisements cost 40 cents per word with no discount for subsequent insertions. There is a limit of 40 words and a minimum charge of \$2.00. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Display advertisements: 3 pm Friday, seven days before desired publication date. Camera-ready artwork is required to size, complete with halftones if necessary. Call 492-0436 for sizes, rates and other particulars.

The editor reserves the right to limit, select, edit and position submitted copy and advertisements. Views expressed in *Folio* do not necessarily reflect University policy. *Folio* contents may be reprinted with acknowledgment.

ISSN 0015-5764 Copyright 1994

## United Way campaign kicks off Monday

### Free coffee and a moment to care

By Judy Goldsand

Pick up free coffee between 7:30 and 9 am at stations around campus next week (3 to 7 October) and take a moment to find out about the United Way's new priorities. For the next three years, funds raised will be directed to programs that focus on: 1) poverty; 2) families under stress; 3) safety and freedom from violence; and 4) living with dignity and independence.

Campus Campaign Co-chairs, Glenn Harris, Vice-President (Finance and Administration), and John Barry (Physical Education and Recreation), are proud that in 1993 the campus community surpassed its goal of \$250,000. These contributions helped the United Way Edmonton and Area Campaign exceed its \$8.6 million goal.

For 1994, the campus goal is \$260,000 of the overall community goal of \$8.8 million.

The co-chairs are optimistic this can be achieved, even with campuswide pay cuts and layoffs, because University staff members are aware of the escalating demands being placed on United Way charitable programs.

Get your free morning coffee (courtesy of Versa Food Services) 3 to 7 October in the following buildings:

- Monday: Tory, Business and Humanities;
- Tuesday: Law, Arts, Rutherford Library;
- Wednesday: Physics/V Wing, Chemistry, Biosciences, Medical Sciences;
- Thursday: Civil-Electrical Engineering, Administration, Dentistry-Pharmacy;
- Friday: Agriculture-Forestry; Van Vliet Centre; General Services.

## Museums and Collections Services takes to the road

By Folio staff

The Department of Museums and Collections Services (MACS) is on the road both physically and electronically. Two initiatives are helping the department become more involved with other Alberta museums and with the public.

Three University departments and one Faculty are showing their collections at the Edmonton Art Gallery in "Collecting Edmonton: A Passion Show", on until 6 November. Coordinated by MACS staff, Paleontology, Dentistry, Geology, and History and Classics

have generously lent artifacts, specimens and demonstration models for the exhibition.

MACS is taking the first step in establishing a province-wide information network for Alberta museums. It will be developing a systematic approach to information management for Alberta museums thanks to a \$30,000 Regional Museums Grant from the Alberta Museums Association. The long-term goal is the establishment of an electronic network for Alberta museums. MACS received the grant for its expertise in the area of information management relating to collections.

## CURRENTS

### Arts strikes Chair Selection Committees

The Faculty of Arts announces that Chair Selection Committees are being established for the Departments of Anthropology, Art and Design, History and Classics, Modern Languages and Comparative Studies, Music, Political Science, and the Women's Studies Program. These committees are prepared to receive nominations for the position of Chair in each of these departments, as well as comments from members of the University community. These should be addressed to: Dr Patricia Clements, Dean of Arts, 6-33 Humanities Centre.

### Application deadline: EFF - University Teaching Research Fund

The deadline for receipt of applications to the Endowment Fund for the Future - University Teaching Research Fund is 15 October 1994. Application forms are available from University Teaching Services, 215 CAB. Telephone 492-2826.

### Workshop for biological scanning electron microscopy

Date: 4 to 7 October. Time: 1 to 4 pm. Place: Surgical Medical Research Institute Conference Room (1074 Dentistry/Pharmacy Building) and EM Lab. Fee: \$100 for materials. Content to be covered includes: basic theory of SEM and application, introduction to the use of SEM (Hitachi S-2500), preparation of specimens, and 3-D image and low voltage image. To register, call Ming Chen at 492-3621.

### FOLIO DEADLINE MOVED UP

The holiday weekend necessitates a deadline change for the 14 October issue of *Folio*. Classified and display advertisements, as well as submissions for the "Talks" section, must reach the Office of Public Affairs by 3 pm Thursday, 6 October.



University  
of  
Alberta



## Two professors among honorary degree recipients

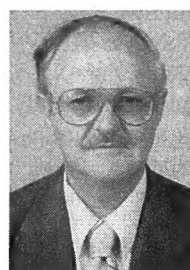
*Doris Badir, Leslie Green selected along with Stan Milner, Roger Hurtubise*

A prominent Edmonton businessman, two University of Alberta professors, and a missionary who has devoted his life to serving the poor in Central and South America will receive honorary Doctor of Laws degrees at the University of Alberta's Fall Convocation, 17 and 19 November.



Stan Milner

Stan Milner, CEO of Chieftain International Inc and a former Chairman of the U of A Board of Governors, will receive his honorary LLD on 19 November. Milner holds directorships in a number of major Canadian corporations, including Alberta Energy Company Ltd, the Canadian Imperial Bank of Commerce and Canadian Pacific Ltd.



Roger Hurtubise

A former Edmonton alderman, Milner has sat on the boards of two major city hospitals, the Royal Alexandra and U of A Hospitals, and has served on a wide variety of community organizations, including the Edmonton Chamber of Commerce, Edmonton Symphony Orchestra, Edmonton Eskimo Football Club and The Salvation Army. On the same day, Roger Hurtubise, director of the Episcopal World Help for Hunger Organization, will be recognized for his tireless work in improving the quality of life of the landless peasants and poverty-stricken people of Latin America.

Hurtubise, who is from St. Paul, has been active with the International Develop-

ment Organization in Bolivia (1975-1980). He founded a development agency in Bolivia in 1983, and in 1988 became a field staff officer for the Horizon of Friendship and Development Institute. In 1990, he went to work as a sub-director and master trainer for the Peace Corps Training Centre in Tegucigalpa, Honduras.



Doris Badir

On 17 November, the University will honour Professor Emeritus (Home Economics) Doris Badir for her national and international contributions to the field of home economics.

Professor Badir, a former Dean of the Faculty of Home Economics, has served as a home economics expert with the Food and Agriculture Organization of the United Nations in Cairo. As president of

the International Federation of Home Economics, she was instrumental in naming 1994 as International Year of the Family. Locally, she has been active in the establishment of daycare programs and policies and in developing employment equity policies for the University.



Leslie Green

Political Science Professor Emeritus Leslie Green will also be conferred an honorary LLD that day. Dr Green is an international legal scholar and an expert in areas such as terrorism, law of armed conflict, legal philosophy and humanitarian law. He has published exten-

sively on these topics and is frequently consulted by universities, governments, human rights organizations and legal institutes.

## Report on International Dimensions of U of A passes unanimously

*By Michael Robb*

The Senate put its final stamp of approval last Friday on the report of its Task Force on the International Dimensions of the University.

Senators wasted little time debating the recommendations – much of the substantive debate took place last spring when the task force's draft report was first tabled – and heard (from Chancellor Lou Hyndman) that some recommendations are already being considered by administration.

The task force made three substantial recommendations: establish an Office of International Affairs headed by a Dean and special advisor to the President; have that Office develop a comprehensive international affairs policy for the University; and, empower that Office to develop a strategic plan to establish the U of A as a leading international University.

Senate has made a tremendous contribution to the debate about what a truly international university should be, said Wilf Allan, a member of the task force that's chaired by Zaheer Lakhani. Allan informed Senators about the recent establishment of a Policy Advisory Group on International Affairs.

Its job is to examine and make recommendations to the Vice-President (Academic) regarding:

recommendation 23 in *Degrees of Freedom*, the University's strategic plan; the three recommendations made by the Senate task force; existing international policies; and other related matters.

Although the task force made only three substantial recommendations, many more specific recommendations were included in its report under the third recommendation, the development of a strategic plan. Those recommendations fell under nine sub-categories: linkages and exchanges; human resources; curriculum development; international development; finance; communications; ambassadorship; distance education; and, standards and methods of evaluation.

Under finance, task force members recommended mitigating the effects of differential fees and full-cost tuition fees. (Currently, foreign students pay double the fees.)

Also serving on the task force were: Audra Hollingshead, Vice-chair; Doris Badir, Professor Emeritus; Susan Hickey, Senator; Bindiya Karia, undergraduate student; Deni Lorieau, Senator; Roy Louis, Senator; Philip Mees, foreign graduate student; Ronald Odynski, Senator; Mary Totman, Executive Officer, Senate; and Judy Weiss, Task Force Coordinator.

## Pemberton recognized for novel approach to geological research

*By Folio staff*

When George Pemberton told oil company geologists in the late '70s that "by studying worm burrows they would increase the chances of exploration success," laughter was the usual response. They're not laughing any more. His unique approach to the study of trace fossils has provided enhanced information to those who are exploring for new oil and gas reservoirs. He has also helped those who are developing existing sites.

Dr Pemberton has long been recognized by oil companies as an innovative geologist who has made a tremendous contribution to their industry. And this year the Geological Association of Canada (GAC) has

named Dr Pemberton as its Past President's Medallist for 1994.

The medal recognizes his work with the petroleum industry worldwide and his "integrity, dedication and goodwill." The citation says the University of Alberta geologist has contributed to the "understanding of the role of organisms as sedimentological and diagenetic agents." This is the first time the medal has been awarded to a U of A geologist.

Dr Pemberton, who holds a McCalla Professorship for the 1994-95 term, plans to complete his text on ichnological aspects of petroleum exploration.

## Medical students honour outstanding teachers

*By Shelley Spaner*

Anil Walji (Anatomy), David Cook (Pharmacology), Gilles Lauzon (Dermatology) and Keith Pearse (Obstetrics and Gynecology) were acclaimed for their teaching excellence earlier this month as the Medical Students Association (MSA) honoured the Faculty's outstanding teachers.

The annual Teacher-of-the-Year awards ceremony, which was instituted in 1971, lets medical students thank the teachers whose instruction is considered outstanding. Students from each phase of the four-year program vote to select one overall winner and four runners-up.

The Phase I top teacher is Dr Walji, who has just been appointed Associate Dean for Undergraduate Medical Education. Awards as runners-up went to David Begg, Gerald Buzzell and Bruce Stevenson (all of Anatomy and Cell Biology) and posthumously to Tom Wegmann (Immunology).

The Phase II winner is Dr Cook, with runners-up awards going to Dale Lien (Pulmonary Medicine), Bruce Mielke (Pa-

thology), Wendy Vaudrey (Pediatrics) and Dr Walji.

Phase IIIa students chose Dr Lauzon as their best teacher, with Valerie Capstick and Catherine Flood (both from Obstetrics and Gynecology), Grant MacLean (Oncology) and Albert Yeung (Pharmacology) as runners-up.

Students in Phase IIIb voted Dr Pearse the winner, with runners-up being Valerie Capstick (Obstetrics and Gynecology), Ian Ferguson, Tzu-Kuang Lee and Fred MacDonald (all from Internal Medicine).

The Dr William A Shandro Award for teaching excellence in surgery was presented to Walter Yakimets.

Special awards were given to Doug Wilson, who has just completed 10 years as Dean of the Faculty, and to Chuck Harley, who served as Associate Dean for Undergraduate Medical Education for the past nine years. As they leave their respective administrative positions, both were honoured for their dedication to and support of all the medical students that they have worked with over the years.



Anil Walji, David Begg and Chuck Harley, left to right, enjoying a joke at the 1994 Medical Students Association awards ceremony.



# Cruising the information highway

## Will librarians be allowed on to the on-ramp?

By Michael Robb

If librarians face the information age and construction of the information superhighway with fear and apprehension, they risk being marginalized. But if they face those developments with a renewed sense of service and status, they'll likely be central players in the course of events, says a recent graduate of the School of Library and Information Studies.

In her award-winning paper, *The Electronic Bookmobile: Librarians on the Information Highway*, Susan Fisher, this year's Canadian Library Association student article contest winner, contends that librarians are marginal

and central to these emerging information technologies.

"They are marginal as a female-intensive, feminized profession, and central as the traditional dispensers of free public information," she says. "The primary task faced by librarians is to provide free access to information services for all people."

And although computer technology is firmly rooted in a culture of exclusion, emerging technologies can be opened up to make space for those who have traditionally been barred admittance, Fisher argues. But librarians will have to do more than simply provide

information, she says. They'll have to mine the Internet for resources to make the process of accessing information easier. And they'll need to expand their teaching role. Librarians will have to show people how to create discussion groups on the Internet and how to gain access to existing ones.

"Librarians can also bring some sort of bibliographic control to the Internet's near bibliographic chaos," says Fisher, who is now employed with Synapse Publishing, a hypertext publisher on the Internet, operated by Andrew Penn (Neurology).

There are some real problems, says Fisher. "Because librarians have traditionally organized and distributed the world's information, they face this electronic revolution as part of its emerging hegemony. At the

same time, however, librarians are marginal to the computer and telephone industries that allow networking to be carried out. Such marginalization needs to be addressed if librarians are to continue providing information to their clients.

"While librarians are partially marginalized by information technologies, many patrons are effectively denied access altogether," she says. "Cultural and economic barriers are creating a class distinction between the information-rich and the information-poor in a world where information is becoming a most valued commodity."

Fisher says if librarians are going to safeguard equitable access to information for all people, they will need to question why certain groups - including themselves - are being ghettoized in the information age.

## New programs Continued from page 1

cases not attractive to students. Students understand they need broader experiences," the Dean says.

The establishment of the two new internship programs will also enable departments to establish more links with industry. Students will benefit: they'll increase their job prospects and develop a better understanding of industry needs. "Those students who return after a year in industry will have an impact on their programs."

In the longer term, students who take these honors and specialization programs will likely develop more of an identity with the program. "I want the best students in these programs and to move more of them out of the general science program," Dean Peter says, pointing out that students in honors and specialization programs get more direct advising and contact with instructors.

In related news, the Faculty expects it will be close to its 4,400-student target this year. Although the Faculty is taking in more students from high school than any other Faculty, it has had to reduce the numbers it allows in in order to meet the target.

Its high school entrance percentage cut-off this year was 78 percent. More students with a 90-plus average have been admitted this year than ever before, the Dean says. (Please see chart below.) "These students have proven records and come here with great intentions. I hope our programs live up to their expectations."

### Ranges for 1994-95 High School Admissions into the Faculty of Science

Range (%)	Number of students
72.5 - 74.9	-
75.0 - 77.4	-
77.5 - 79.9	145
80.0 - 82.4	209
82.5 - 84.9	177
85.0 - 87.4	169
87.5 - 89.9	101
90.0 - 92.4	97
92.5 - 94.9	40
95.0 - 97.4	17
	955

### Omission

In last week's story on a Hewlett-Packard donation to the University, the amount was inadvertently left out. IDACOM Telecom Operation of Hewlett-Packard (Canada) Ltd awarded cash and equipment worth approximately \$150,000 to the University.

## New initiatives designed to give students more options

- Bachelor of Science with Specialization in Computing Science - Minor in Business (Effective 1995-96)
- Bachelor of Science (General) - Minor in Business (Effective 1995-96)
- Bachelor of Science with Specialization in Mathematics and Finance (Effective 1995-96)
- Bachelor of Science with Specialization in Mathematics and Statistics for Actuarial Science (Effective 1995-96)
- Bachelor of Science with Honors in Cell Biology and Bachelor of Science with

Specialization in Cell Biology (Effective 1995-96)

- Bachelor of Science with Honors in Neuroscience (Effective 1995-96)
- Bachelor of Science with Specialization in Environmental Physical Science (Effective 1994-95)
- Industrial Internship Program (Department of Chemistry) (Effective 1995-96)
- Industrial Internship Program (Environmental Physical Science) (Effective 1995-96)

## Science expands its environmental program offerings

By Michael Robb

A recent report from Employment and Immigration Canada suggests Canada is going to be hard-pressed to provide adequate numbers of well-educated employees to fill the ranks of the burgeoning environmental industry.

The Faculty of Science is adding another program designed to help swell those ranks. Effective 1994-95, the Faculty will offer a Bachelor of Science Specialization Program in Environmental Physical Science.

Four departments, Chemistry, Geology, Geography and Physics, will jointly offer the program.

This new program follows on the heels of the recent establishment by the Faculty of the Bachelor of Science Honors in Environmental Biology and Specialization in Environmental Biology. "This is the counterpart to those programs," Dean of Science Dick Peter says.

Students who take the program will be well placed to find work in industry or to go on to do graduate work, the Dean says.

Some new courses have been developed for the program, which has been structured to allow students to transfer easily to and from other programs such as honors and

specialization programs in the physical sciences. Students already in the BSc General program are expected to enroll in the new program.

Other Canadian universities, such as York, Guelph and Toronto, have, or are in the process of introducing, BSc programs in environmental science. "Overall, I am very impressed with the proposed curriculum for the [U of A] program," says Alan Hill, professor and coordinator of York University's environmental science program.

"I believe this a very valuable development and I congratulate those who have contributed to the program development," says one of this University's most prominent environmental researchers, Steve Hrudey, holder of Canada's first Eco-Research Chair in Environmental Risk Management. Officials with Alberta Environment also lauded the Faculty for establishing the program.

The Faculty expects that once the program is in full swing, in 1996-97 there will be 25 students in year two, 20 in year three and 15 in year four. It's possible a few students will have fulfilled the requirements and graduate as early as next year.



Frank Robinson, Associate Professor in the Department of Agricultural, Food and Nutritional Science, is a frequent visitor to schools in Edmonton. Last May he joined in the science activity day held at Keheewin Elementary School.

## Grade 6ers coming on campus to learn more about science

By Folio staff

Kids love to have a visitor in their classroom. Next week the Grade 6 class of Keheewin Elementary School will have a different experience and visit a U of A classroom.

On 5 October, from 7:30 to 9:30 pm in the Chemical-Mineral Engineering Building, the class will join with Brian Rottenfusser of the Alberta Research Council and Arlene Howell-Pick of Celanese Canada to discover what having an 'innovator in the school' is all about.

University professors and graduate students are encouraged to attend and see a demonstration of a typical science period in a Grade 6 day when a visiting scientist, researcher, engineer or technologist comes to call. This event is presented by the Association for Women in Engineering and Science and the Science and Technology Hotline. Further information can be obtained by calling the Hotline at 448-0055.

## World University Service of Canada holding information meeting

The World University Service of Canada (WUSC) International Seminar will be held in Vietnam in the summer of 1995. Thirty students and three faculty will be selected from across Canada to participate in the program, which begins with an orientation in Ottawa and continues to Vietnam for five weeks of study and travel.

The program is intended to provide a personal, in-depth development experience for Canadian students. Through sharing that experience back home, a greater awareness of international development issues can be brought to the Canadian public.

An information meeting will be held at the International Centre (HUB) on 5 October at 3 pm. Applications will be available for both faculty and students and participants in previous seminars will be present to share their experiences and answer questions. The deadline for faculty applications is 28 October.





Student Dawn Soo at work in the calling room in Athabasca Hall.

# 1993 Annual Fund surpasses expectations

Annual Fund solicitation programs in 1993 surpassed expectations and achieved the most successful year in the University of Alberta's history. "The 1993 Annual Fund, which includes gifts of less than \$10,000, totalled \$3.2 million," reported Sheryl Magyar, Development Officer and Manager of the Annual Fund. Gifts of all sizes during the 1993-94 fiscal year totalled \$14.2 million.

Gifts made through the Annual Fund provide resources for Faculties, Departments, and other units to enhance academic programs in times of fiscal restraint. The University

generates Annual Fund gifts in several ways, including Faculty mail-outs, the Student Calling Program personal solicitations, the Adopt-an-Athlete Program, the Canadian Business Leadership Dinner, and the Campus Community Appeal.

While 1993 was the first year for an all-encompassing Campus Community Appeal to solicit faculty and staff for gifts to the Annual Fund, several members of the campus community have been providing support to the U of A for many years:

## Student callers working hard

Our student callers have been working hard to raise funds for the 1994 Annual Fund. On 26 August, our students celebrated a milestone: \$500,000 in alumni pledges since 1 January 1994. Our students are three-quarters of the way to their goal.

While the University of Alberta benefits from our student callers, the students experience benefits beyond just part-time employment.

"I've spoken to many alumni who are really grateful to the U of A for what it's done for them. Working here makes you more involved and gives you a great understanding of the U of A. Before, I never understood why people should give to the U of A. Now I do."

**Teresa Kok,**

4th year BSc (Pharmacy) student

"It makes it worthwhile when you hear someone say 'I think what you guys are doing is just great! Keep up the good work. It's encouraging to talk to alumni from my Faculty (Arts). You hear so many people say that you will not get a job, but here you see that you can. You also see what's really out there in terms of jobs, and you get advice (freely given!) on what to do careerwise.'"

**Cheryl Ritter,**

4th year BA student

"I wish the government was helping more than they are, but they are not. What we are doing is a necessary thing. What impresses me most are the regular donors - year in and year out they give. I'm also impressed by the number of people who cannot afford to give, yet do. People such as students and the unemployed give what they can, even if it's only \$10 or \$15. And they are really apologetic about the amount. I've had people who can't give this year but insist that they get a call back next year. There are so many people who really believe in the U of A and what we do here. It's amazing to see that."

**Gordon Harper,**

MFA (Art & Design) student

"Through talking to alumni, I've learned about issues the U of A is facing, and about how much our alumni really care about our future as a postsecondary institution. I've also learned how to deal with rejection and handle stress."

**Dawn Soo,**

4th year BCom student

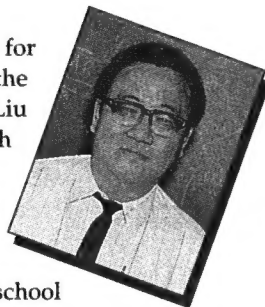
## Math Professor Andy Liu's gifts benefit club

In 1981, Andy Liu, Professor of Mathematics, attended a general meeting of the Association for Bright Children (Edmonton Chapter). Noticing the need for enrichment in mathematics, Professor Liu saw the opportunity to help young students with their skills and opened a "math club".

With a welcome grant of \$1,500 from the University/Community Special Projects Committee (U of A), Professor Liu offered extra study in mathematics to junior and senior high school students. When the grant ran out, Professor Liu continued running the "math club".

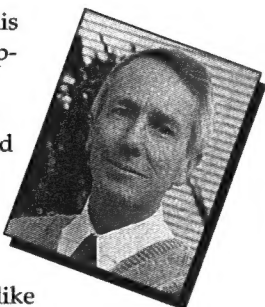
Now, through contributing to the U of A Annual Fund, Professor Liu is able to make several contributions both as an alum and a staff member. The Annual Fund participation rate increases and most importantly Professor Liu has directed his gifts to the operations of his "math club".

Professor Liu continues to work with junior high students to open the world of mathematics to them. Over the years, the University has directly benefited from having a steady stream of math students enter degree programs. Mark Rabenstein, a former "math club" student, is now doing his PhD in chemistry in California. Graham Denham, another former "math club" student, received his BSc in Honors Math here at the U of A, his Master's of Science in Computing Science at UBC, and is working on a PhD at the University of Michigan.



## Why Mike Gibbins gives:

- 1) I think the University is very important to this country and to the world. It deserves our support.
- 2) This University is very important to Edmonton and to Alberta and particularly needs and deserves our support at this point in its history.
- 3) The University has treated me well and I feel obligated to return the favour.
- 4) I appreciate the ability to designate my gift, like they do in the United Way campaign. This helps people to target their gifts where they desire.



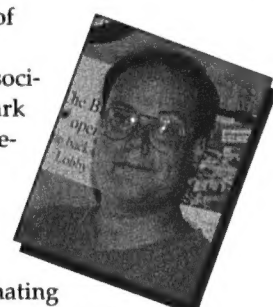
Mike Gibbins, Winspear Distinguished Professor in Professional Accounting, Faculty of Business

## NASA's Mark McQuitty supports Adopt-an-Athlete

Mark McQuitty was born with University of Alberta blood in him; his father, Brian McQuitty, is a retired professor and former Associate Vice-President of the U of A. Since 1984, Mark has worked in the U of A's Building Services Department and also tends bar at RATT.

In 1990, Mark began to see the need for increasing funds and the spirit for the U of A sports teams. An avid fan, he followed the suggestion of a fellow bartender and began donating his two-dollar bill tips to the Annual Fund. He directed his donations to the Adopt-an-Athlete program. In 1990-91, Mark adopted one football player.

Over the years, he has increased his support. In 1993-94 he adopted 13 athletes from the hockey, volleyball, basketball, field hockey and gymnastics teams.



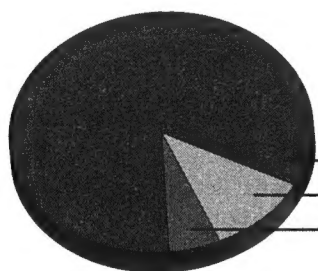
## English Professor Shirley Neuman gives out of indebtedness

"I began giving to the U of A out of indebtedness. I did my degrees here and I work here," says English Professor Shirley Neuman. "I had always thought of the work itself as at least partly a return for the education I received. As we became needier at the University, however, giving funding became a small way of remembering those former faculty who made this life possible for me and of helping to ensure that it continues to be possible for others."

"More recently, I have given to specific programs which I know well, at the moment, the Writer-in-Residence Endowment in the English Department. The writers-in-residence spend nine months on campus, making themselves available to classes, to student writers from across campus and to writers from across northern Alberta for consultation about their work."

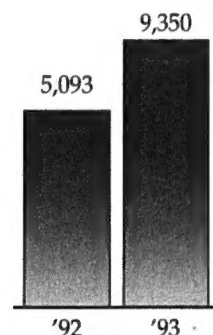
"These writers provide a wonderfully vital presence of contemporary Canadian literature in our midst and an important link with the community, and I have had much pleasure and profit from their public readings and their conversation over the years."

## 1993 Annual Fund: \$3.2 million in gifts from 14,471 donors



Where donors designated their Annual Fund dollars:

83.65	Faculties and other academic units
11.0%	President's Fund - undesignated Gifts
5.35%	Libraries




Number of alumni who gave increased from 5,093 in 1992 to 9,350 in 1993

Stories by Sheryl Magyar




## AGRICULTURAL, FOOD AND NUTRITIONAL SCIENCE


 4 October, 12:30 pm  
Sek-Man Wong, University of Singapore and visiting professor, Department of Pathology, Cornell University, "Two Amino Acid Changes in the Coat Protein of the M-strain of CMV Allowed It Systemic Movement in Squash." 1-30 Agriculture-Forestry Centre.

6 October, 12:30 pm

Aladar A Szalay, "Construction of a Mammalian Artificial Chromosome (MAC): A Potential Vector for Gene Therapy." 1-30 Agriculture-Forestry Centre.

 7 October, 3 pm

Jerry Leonard, "Making Compost—Art, Science or Engineering?" 1-13 Agriculture-Forestry Centre.

 11 October, 12:30 pm

Suzy Rogiers, "The Flavor Savor Tomato." 1-30 Agriculture-Forestry Centre.

## ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

30 September, 3 pm

Gary Kielhofner, professor and head, Department of Occupational Therapy, College of Associated Health Professions, and professor of Public Health, University of Illinois at Chicago, "The Occupational Performance Model and the Model of Human Occupation: Are They Compatible?" Playroom A, Basement, Pediatrics Wing, Glenrose Rehabilitation Hospital.

## ANATOMY AND CELL BIOLOGY

3 October, noon

Abraham Haim, professor, Department of Biology, University of Haifa, Israel, "The Co-existence of Two Spiny Mice of the Genus *Acomys*, in an Extreme Arid Environment." 9-32 Medical Sciences Building.

## ART AND DESIGN

3 October, 5 pm

Ondrej Michalek, visiting Czech printmaker, "Contemporary Prints of the Czech and Slovak Republic." 2-20 Fine Arts Building.


5 October, 5 pm

Ondrej Michalek, "The Work of Ondrej Michalek." 2-20 Fine Arts Building.


6 October, 5 pm

Ann Roberts, University of Waterloo, will present a slide lecture on her work in ceramic sculpture. 2-20 Fine Arts Building.

## BIOLOGICAL SCIENCES

 30 September, 3:30 pm

Frank Nargang, "Function of Mitochondria in *Neurospora Crassa*: Isolation of Mutants Defective in Import of Mitochondrial Proteins." 3-27 Earth Sciences Building.

 4 October, 12:30 pm

David Spafford, "Calcium-Like Voltage-Gated Sodium Channels in Jellyfish." G-114 Biological Sciences Centre.

7 October, 3:30 pm

Jim Rice, Department of Zoology, North Carolina State University, "An Individual-Based Approach to Fish Survival and Recruitment: The Importance of Body Size, Growth Rate Variation and Size-Dependent Predator-Prey Interactions." M-149 Biological Sciences Centre.

## CATHOLIC CAMPUS MINISTRY

4 October, 7:30 pm

George Smith, "Understanding Catholicism Today – Grace - Gift of God's Abiding Presence." Newman Centre, St Joseph's College.

# TALKS



## CHEMICAL ENGINEERING

6 October, 2 pm

Dale E Seborg, Department of Chemical and Nuclear Engineering, University of California, Santa Barbara, "The Prospects for Advanced Process Control." 342 Chemical-Mineral Engineering.

6 October, 3:30 pm

John Carroll, Sacda Inc, London, Ontario, "A Software Engineering Look at the Isothermal Flash Calculation." 342 Chemical-Mineral Engineering Building.

## CHEMISTRY

3 October, 11 am

Shô Itô, dean, Pharmaceutical Sciences, Tokushima Bunri University, Tokushima, Japan, "Development of Reactions Useful in Organiz Synthesis." V-107 Vwing.

1994 Harry Emmett Gunning Lectures

Stuart A Rice, The James Franck Institute, University of Chicago, will give the following lectures:

3 October, 11 am

"Monolayers on Liquids: A Laboratory Full of Surprises...Part I." V-107 Physical Sciences Complex.

4 October, 11 am

"Monolayers on Liquids: A Laboratory Full of Surprises...Part II." V-107 Physical Sciences Complex.


5 October, 11 am

"Unimolecular Reaction Rate Theory Revisited." E3-25 Chemistry Building.

6 October, 11 am

"Controlling Reaction Product Selection at the Level of Molecular Dynamics." E3-25 Chemistry Building.

## ECOLOGY

 7 October, noon

Phil Fedorak, "Microbial Metabolism of Organic Sulphur Compounds Found in Petroleum." G-208 Biological Sciences Centre.

## EXTENSION

30 September, 7:30 pm

Rita Gross, professor, Comparative Religious Studies, University of Wisconsin-Eau Claire, "The Feminine Principle: Buddhist and Shambhala Perspectives." Fee: \$5 (at the door). 2-36 University Extension Centre.

## FINANCE AND MANAGEMENT SCIENCE

7 October, 3:30 pm

Liang Zou, associate professor of finance, Department of Financial Management, Faculty of Economics and Econometrics, University of Amsterdam, "Fringe Benefits." 4-16 Business Building.

## HISTORY

13 October, 3:30 pm

The Lewis H Thomas Distinguished Speaker. Donald Akenson, Department of History, Queen's University, "The Concept of Diaspora in English-Canadian Historiography." 2-58 Tory Building.

## INSTITUTE OF GEOPHYSICS, METEOROLOGY AND SPACE PHYSICS

3 October, 3 pm


George Isaac, chief, Cloud Physics Research Division, Atmospheric Environment Service, Downsview, Ontario, "Aircraft Icing at the Airport and In-Flight." P-640 Physics Building.

## INTELLECTUAL PROPERTY AND CONTRACTS OFFICE

30 September, 2 pm

John Wetherell, "Patenting Biotechnology" (for Health and Science Professionals). Bernard Snell Hall, Mackenzie Health Sciences Centre.

## LIMNOLOGY AND FISHERIES DISCUSSION GROUP

 6 October, 12:35 pm

Jim Rice, professor, Department of Zoology, North Carolina State University, "Larval Fish Ecology." G-116 Biological Sciences Centre.

13 October, 12:35 pm

Annette Trimbee, section head, Environmental Evaluation Section, Alberta Environmental Protection, "Science, Policy, and Reality: Instream Protection." G-116 Biological Sciences Centre.

## MECHANICAL ENGINEERING

3 October, 2 pm

Per-Olof Glantz, AHFMR visiting professor, dean of Faculty of Dentistry of Malmö, Sweden, "Use of Strain Gauges in Clinical Research." 6-29 Mechanical Engineering Building.

## PERINATAL RESEARCH CENTRE

4 October, noon

Larry J Guilbert, "Interaction of Placental Trophoblasts with *L. Monocytogenes*." 2J4.02 Mackenzie Health Sciences Centre.

11 October, noon

BF Mitchell, "Decidua Regulates the Timing of Human Parturition." 2J4.02 Mackenzie Health Sciences Centre.

## PHILOSOPHY

6 October, 3:30 pm

Andrew Light, "What's Wrong With Political Ecology?" 4-29 Humanities Centre.

## POLITICAL SCIENCE AND CENTRE FOR CONSTITUTIONAL STUDIES

4 October, 3:30 pm

Michael Burgess, senior lecturer in politics, University of Hull, "Before and After Maastricht." 10-4 Tory Building.

5 October, noon


Michael Burgess, "British Federalism for the British." Faculty Lounge, 4th Floor, Law Centre.

## PSYCHOLOGY

30 September, 3 pm

Robert Efron, University of California School of Medicine, Davis, and Veteran Administration Medical Center, Martinez, California, "Spatial Nonuniformities in Single-Feature Search: The Feature of Orientation." P-319N Biological Sciences Centre.

## RENEWABLE RESOURCES

 5 October, 12:30 pm

Eino Mäliköinen, Finnish Forest Research Institute, "Role of Logging Residues in Forest Site Productivity." 8-21 General Services Building.

 13 October, 12:30 pm


Bob Hudson, "Nutritional Ecology of Wapiti." 2-36 Earth Sciences Building.

## ROMANCE LANGUAGES


4 October, 4 pm

Danica Seleskovitch, honorary director, School of Translation and Interpretation, la Sorbonne nouvelle, "The Translation of Words – the Translation of Texts." L-2 Humanities Centre.

## RURAL ECONOMY

 3 October, 3:15 pm

John E Henry, "A Productivity Analysis of the Gambian Groundnut Sector." 519 General Services Building.

 4 October, 3:30 pm

Charles W Howe, professor of economics and director, Environment and Behavior Program, University of Colorado, "Designing Environmental Resource Policies in a Federation of States." 519 General Services Building.

## SLAVIC AND EAST EUROPEAN STUDIES

5 October, 3 pm

Tom Priestly, "The End is Nigh: Soon, Slavic Dialects – and Slavic Dialectology – Will Be Things of the Past. But: How Soon?" 436 Arts Building.

## SOCIOLOGY

12 October, noon

Jim Hackler, "The Pros and Cons of Red Light Areas: The Situation in Hamburg." 5-15 Tory Building.

## SURGERY

13 October, 5 pm

The Walter Mackenzie Visiting Professor Lecture. J Fraser Mustard, president, The Canadian Institute for Advanced Research, "Technological Change, Economic Growth and our Future, Prosperity, Health and Well-Being." Bernard Snell Hall, Mackenzie Health Sciences Centre.

## UNIVERSITY TEACHING SERVICES

3 October, 3 pm

Elizabeth Alke, communications consultant, "The Critical Path Method (CPM): A Strategic Tool for Effective Proposals, Research, and Curriculum Design Projects." 281 CAB.

4 October, 3:30 pm

Joe Buijs, "Students Handouts in the Humanities." 281 CAB.

5 October, 3 pm

Lahoucine Ouzgane, "Student Resistance to Learning." 281 CAB.

6 October, 3:30 pm

Bonnie Neuman, "Conflict Management: If We're All in Agreement, It Wouldn't Be a University!" 281 CAB.

11 October, 3 pm


Bruce H Ziff, "The Best Made (Lesson) Plans...Gant Aft Agley." 281 CAB.

12 October, 3:30 pm

Dianne K Kieren, "The Ties That Nurture: Mutually Supportive Relationships for Teaching and Professional Life." 281 CAB.

13 October, 3:30 pm

Maurice Legris, "How to Write Better: A Few Suggestions." 281 CAB.

 This symbol denotes environmentally-related seminars/events. If you wish to have an environmentally-related event listed in this way, please contact: The Environmental Research and Studies Centre, 492-6659.



Please recycle  
this paper



## ACCOMMODATIONS FOR RENT

**MICHENER PARK** - Two bedroom rowhouses and apartments for rent in University residence located in southwest Edmonton. Excellent bus service to University, utilities included. University inquiries welcome, 492-7044.

**EXECUTIVE** two storey on ravine in Capitol Hill! Unique interior, completely renovated in keeping with the old style. 1 October possession or sooner. \$2,000/month, lease. Western Relocation, 434-4629.

**ST ALBERT** - 2,300', completely renovated, former Hillview show home. Three bedrooms, double attached garage, built-in vac, window coverings, intercom, all appliances. \$1,500/month. 1-2 year lease. Western Relocation, 434-4629.

**TERWILLEGAR HEIGHTS** - Fully furnished, executive luxury. Three bedrooms upstairs, two bedrooms downstairs. All amenities. \$2,300/month firm. Western Relocation, 434-4629.

**MODERN! MILLCREEK!** Perfect! Upper floor furnished condo. Southwest exposure, one bedroom, den, jacuzzi tub. Eight month

lease, nonsmokers, no pets. \$800/month. Western Relocation, 434-4629.

**HOUSE SIT** - Greenfield, upgraded bungalow with finished basement. Fully furnished, \$200/month. 15 October - 15 April. Western Relocation, 434-4629.

**BLUE QUILL**, southwest executive two storey, three bedroom. Double attached garage. \$1,200/month, 1 October. Western Relocation, 434-4629.

**FOR LEASE** - 15 September 1994, 10545 Saskatchewan Drive, Waterford House condominium, choice third floor location, river view. Two bedrooms, two baths, laundry in suite, five appliances, underground parking. \$825 monthly, references, call 433-1257 evenings.

**COURTYARD** of Riverbend, luxury townhomes. Fireplace, double attached garage, full basement, rents from \$995. Phone 430-6381.

**LEASE** - House in Brookview. Three bedrooms, 2 1/2 bathrooms, 1 1/2 storey. Bright, open home. Nonsmokers. \$1,350, references required. 988-9160.

**VARSCONA TOWER**, near University. Completely furnished one bedroom, 12th floor. Short or long term, suitable for visiting professor. 433-7165, 492-5301.

**WEST END** - Central, fully furnished bungalow. Low rent plus utilities. November to March. 484-8946.

**GLENORA BUNGALOW**, 130 Street 108 Avenue. Direct bus to University, 15 minutes

bike. Three bedrooms, two baths, four appliances. Garage, large yard, quiet neighbourhood. \$750 plus utilities, \$500 deposit. 466-7516.

**BONNIE DOON** - Bright, quiet, one bedroom basement, carpet. \$305. 465-2632.

**LENDRUM** - Home (unfurnished), just south of the School for Deaf. On bicycle route, no pets, no garage. \$700, utilities extra. Information at 434-6791.

**ROOM WITH A VIEW**. Quiet, mature, nonsmoker, to share charming house with mature female. Near University. \$270 plus utilities. No pets. 436-0894.

**THREE BEDROOM** bi-level house with three bedroom suite, four appliances. 466-5714, 465-3085.

**INTERESTED** in buying, selling or leasing a condominium? Call me first. Available from \$33,000 to \$474,500. Ask for Connie Kennedy, condo consultant/specialist, 25 years. Re/Max, 488-4000.

## ACCOMMODATIONS FOR SALE

**VICTORIA PROPERTIES** - Knowledgeable, trustworthy realtor with Edmonton references

will answer all queries, send information, no cost/obligation. "Hassle-free" property management provided. (604) 595-3200, Lois Dutton, Re/Max ports west, Victoria, B.C.

**McKERNAN** - Renovated, two bedroom bungalow. Hardwood floors, quiet cul-de-sac, walk to University, landscaped yard. Must be seen! \$132,000. 11116 75 Avenue. 437-6761.

**DRIVE BY** 11112 University Avenue and stop in to view 2,000' living space. Leave note in mailbox with time to view.

**BEARSPAW** - Cape Cod style, two storey townhouse. Large kitchen, seven appliances, neutral decor. New paint, Berber carpet, ceramic tile. Quiet neighbourhood, close to schools, parks and lake. By owner, \$89,900. Open house Saturday and Sunday, 12 - 4 pm. 10621 11 Avenue. 436-2338.

**AFFORDABLE** downtown condo. Top floor balcony, fireplace, five appliances. Minutes to University. Spacious studio could accommodate a loft. Well-maintained building near Jasper Avenue. Priced for quick sale at \$52,500. Noel Brown, Sutton, 454-6092.

## ATRIUM HAIR CENTRE

LOCATED IN U of A HOSPITAL

special staff and student prices every Wednesday

Ladies' cut: \$13 Mens' cut: \$11

Esthetician Services Available

open Tuesday to Friday: 9:00am - 5:30pm

Saturday until 4:00pm

PHONE: 492-8403

## EVENTS

### EXHIBITIONS

#### BRUCE PEEL SPECIAL COLLECTIONS LIBRARY

Until 15 November

"Beyond Words: An Exhibition of Manuscripts and Manuscript Facsimiles." Gallery hours: Monday to Friday, 8:30 am to 4:30 pm. B7 Rutherford South.

#### EXTENSION CENTRE GALLERY

Until 30 October

"An Exhibition of Works by Students in the Faculty of Extension's Summer Program." Gallery hours: Monday to Thursday, 8:30 am to 8 pm; Friday, 8:30 am to 4:30 pm; Saturday, 8:30 to 11:30 am. Information: 492-3034. 2-54 University Extension Centre.

#### FAB GALLERY

Until 2 October

"Simon Black: Abstract Welded Steel Sculptures" - this exhibition is the final visual presentation in partial fulfilment of the requirements for the degree of Master of Fine Arts in Sculpture. Gallery hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Saturday, Monday and statutory holidays, closed. 1-1 Fine Arts Building.

### FILM

#### DEPARTMENT OF GERMANIC LANGUAGES

11 October, 7:15 pm

*Der Schritt vom Wege* (1939)—German with English subtitles. 141 Arts Building.

### MUSIC

#### DEPARTMENT OF MUSIC

2 October, 4 pm

Faculty Recital: Richard Troeger, harpsichord. Program will include works by Bach, Handel, Fischer, Couperin, Rameau and Haydn. Convocation Hall.

### THEATRE

#### STUDIO THEATRE

Until 1 October

"The Queens" by Normand Chaurette, translated by Linda Gaboriau, directed by MFA Directing Candidate Brad Moss. This 1993 Chalmers Award-winning Canadian play is set in London in 1483, during the tumultuous time of Shakespeare's Richard III. Tickets and information: 492-2495. Media Room, 1-63 Fine Arts Building.

**IF YOU'RE CONFUSED ABOUT THE RELATIVE MERITS OF THE MANY ALTERNATIVE INCOME INVESTMENTS YOU ARE NOT ALONE.**

Now, ScotiaMcLeod has prepared a brief, easy-to-read booklet which is designed to strip away the mystery and confusion. It deals with secure investment income and the relative tax treatment of these various types of investments.

**FREE BOOKLET**

This booklet deals with:

- Interest Income
- Dividends
- Treasury Bills
- G.I.C.s
- Mutual Funds
- Canada Savings Bonds
- Term Deposits
- Bonds and Debentures

For your complimentary copy, call **Sylvia Haak**  
**497-3222** or **1-800-661-7137** Toll-Free

**ScotiaMcLeod**  
 Trusted Investment Advice Since 1921

Suite 2000, 10104 103 Avenue, Edmonton, Alberta T5J 0H8

# Riverwind

*A breathtaking view from every suite...*

**90% Sold**

- New Suites in a New Building
- Only 3 Suites Per Floor 2 Bedroom & 2 Plus Den Floor Plans Available
- Super Energy Efficient Construction
- Video Monitored Front Entry
- Custom Finishing Option Available

**Come and see for yourself!**  
**Show Suites 10721 Saskatchewan Drive**  
**439-4089**

## SENATE TRAVEL

*For Your Convenience*

**NOW OPEN SATURDAYS**  
**10 AM to 4 PM**

*Throughout the winter*

**Come by or call**

9006 - 112 St. Hub Mall, University of Alberta  
 Edmonton, Alberta Tel: (403) 492-2756



MILL CREEK - Excellent home close to ravine in the heart of Strathcona. Rare opportunity to buy in this choice location at the affordable price of \$119,900. Call today. Bill Armstrong, Sutton Group, 446-2051.

CONVENIENCE, privacy, security at Garneau Gardens. Underground parking. Beautiful hardwood and ceramic tile. Prime location, close to University. Too good to last too long. Call today. Andrew Patterson, Re/Max, 462-5000.

BELGRAVIA - Quiet location. Three bedroom, three bathroom home with double garage, fireplace. Newer Berber carpets, four ap-

pliances included. Walking distance to the University. Marjorie King, Spencer, 435-0808, 435-0395.

THE OWNERS will consider a car in trade on this two bedroom, two bathroom condo. Newer oak kitchen, upgraded carpet. Near the legislature, handy to the University. Marjorie King, Spencer, 435-0808, 435-0395.

BEAUTIFUL, executive loft condo at Hampton Village. A must to see - right next to University. Reg MacDonald, Re/Max, 439-7000.

CENTRAL - Take the LRT to work. Three bedroom home (or one with two studies). Ideal

for professional couple. Character, many recent upgrades. \$77,000. Linda Kempo, Sunshine, 465-2200.

INTERESTED in buying, selling or leasing a condominium? Call me first. Available from \$33,000 to \$474,500. Ask for Connie Kennedy, condo consultant/specialist, 25 years. Re/Max, 488-4000.

#### ACCOMMODATIONS WANTED

WE URGENTLY need a furnished accommodation to housesit/rent from 1 November to 1 January or 1 March. Nonsmoking, professional couple. 436-0741.

#### GOODS FOR SALE

CASH PAID FOR APPLIANCES - 432-0272.

PIANO, apartment size, \$800. Loom, 45" Leclerc, \$200. 435-8296.

CASH PAID for quality books. The Edmonton Book Store, 433-1781.

#### SERVICES

DONNIC WORD PROCESSING - Since 1978, specializing in theses, manuscripts and editing 453-2769.

DAVID RICHARDS CARPENTRY - Certified journeyman NAIT. Complete interior/exterior residential and commercial renovations including plumbing/electrical. References available. 436-6363.

HOME CLEANING - Hardworking, bonded staff. Reasonable rates. Able Maids, 440-0993.

ILLUSTRATION SERVICES - Scientific, educational, medical, humour. Dr Julia Keenlside, 440-4342.

MIKE REININGER RENOVATIONS - Maintenance and handyman services. Five years' experience. 429-0244.

TECH VERBATIM Word Processing. Résumés, theses, medical terminology. Donna, 440-3714.

PATRICIA CRAIG Business and Editorial Services - Technical editing, word processing, tape transcription. APA/MLA styles. Campus. References. 488-9665.

# G.S.A. Dental Plan

## If you are a full-time graduate student, please read this.

The G.S.A. changed the providers of dental service on September 19, 1994. If you received any information about your dental plan on or before that date, the list of dentists is incorrect.

If you have made an appointment with any of those dentists, you will not be covered\*. Students must cancel those appointments and book new ones with the dentists listed at the bottom of the page in order to receive dental coverage.

**Please note:** You will not be reimbursed for any services provided by any dentist other than those listed on the bottom of this advertisement. If you go to any other dentist, you must pay for the services yourself.

To receive your benefits, you may go to any one of the following dentists:

Dr. Nathaniel Podilsky  
Eaton Centre Mall  
1021, 10200-102 Ave  
Ph: 428-6846

Dr. William Gee, Dr. George Laschuk,  
Dr. Bailey Mack, or Dr. Helen Poon  
Kingsway Garden Mall  
108, 109 St. & Princess Elizabeth Ave.  
Ph: 471-2102

Dr. Jerry Doberstein, Dr. Adeline  
Fiorillo, Dr. Kenneth Lau  
Sherwood Park Mall  
62A, 2020 Sherwood  
Drive, Sherwood Park  
Ph: 467-9060

Dr. David Gabriel, Dr. Kevin Hamm,  
Dr. Sylvia Lau, Dr. Majinder Lall  
Southgate Shopping Centre  
472, 111 Street-51 Avenue  
Ph: 434-9566

Dr. Randall Crowell or Dr. Ann MacDonald  
Mayfield Common Mall  
264, 170 Street & Stony Plain Road  
Ph: 484-6644

Dr. Karen Dunik or Dr. James Jurasek  
Westland Market Mall  
106, 70 Mcleod Avenue, Spruce Grove  
Ph: 962-9433

\*except those students enrolled in the fee for service option

# Important Changes

For more information please contact Chris at the GSA office, (tel: 492-2175, fax: 492-2999), or by e-mail: cscullio@gpu.srv.ualberta.ca

## Back problems? Headaches? Tension? Injuries? Stress?

The European pain relief alternative! Heat, massage, chiro-gymnastics, interferential electricity. Maria Kreig, spine specialist, trained in Germany. Reimbursable by supplementary health care.

## BACK BASICS Remedial Therapy

11610

75 Ave.

436-8059



Faculty of Extension  
University of Alberta

## Land of the Jaguar Kings Feb 14 - 28, 1995

#### Includes:

Join us for this tour to some of the most interesting sites in the Mayan world: Tikal, Lamanai, Cahal Pech, Lake Atitlan, Caracol, Macal River Caves, Xunantunich, Panti Medicine Trail, Belize City, Guatemala City, Chichicastenango, and more.

Call Mr Val Smyth at  
492-0166 for information.